IN THE CLAIMS

Please amend the claims as follows:

Claim 7 (Currently Amended): A method for detecting one or more eating disorders selected from the group consisting of anorexia nervosa and bulimia nervosa which comprises measuring the concentration of brain-derived neurotrophic factor (BDNF) in blood in a human subject, wherein a decreased concentration of BDNF in the blood of said subject compared to the BDNF level in a normal control subject is indicative of anorexia nervosa or bulimia nervosa.

Claim 8 (Previously Presented): The method according to claim 7, which comprises measuring the concentration of brain-derived neurotrophic factor (BDNF) with an antibody against brain-derived neurotrophic factor.

Claim 9 (Previously Presented): The method according to claim 7, which comprises measuring the concentration of brain-derived neurotrophic factor (BDNF) with an antibody directed against brain-derived neurotrophic factor and a labeled antibody directed against brain-derived neurotrophic factor.

Claims 10-13 (Canceled)

Claim 14 (Previously Presented): A method for detecting one or more eating disorders selected from the group consisting of anorexia nervosa and bulimia nervosa comprising:

detecting the concentration of brain-derived neurotrophic factor (BDNF) in the blood or serum of a human subject, wherein a lower level of BDNF in the blood or serum of said

subject compared to that in the blood or serum of a normal control subject is indicative of

anorexia nervosa or bulimia nervosa.

Claim 15 (Previously Presented): The method of claim 14, wherein said subject is a

female.

Claim 16 (Previously Presented): The method of claim 14, wherein said subject is a

pubescent or adolescent female.

Claim 17 (Previously Presented): The method of claim 14, wherein said disorder is

anorexia nervosa.

Claim 18 (Previously Presented): The method of claim 14, wherein said disorder is

bulimia nervosa.

Claim 19 (Previously Presented): The method of claim 14, which uses a sandwich

ELISA and a BDNF specific antibody to detect BDNF levels.

Claim 20 (Cancelled)